

ABSTRACT

Fast microbial detection is accomplished without an indicator interfering with microorganism growth, without a culture medium degrading the performance of an indicator and without a color of test sample adversely effecting the microbial detection process. A container 3a accommodates a fluid culture medium 7a, a CO₂ indicator 8a and a CO₂ gas-permeable membrane 4a which isolates a CO₂ indicator 8a from a fluid culture medium 7a. A test sample is added in a fluid culture medium 7a and then a container 3a is sealed. The determination of the presence of microorganisms is accomplished by verifying a color change of a CO₂ indicator 8a.

DEPARTMENT OF DEFENSE